

1631

#7

1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/637,086D

DATE: 01/09/2002

TIME: 14:38:52

Input Set : D:\pa_00304.rpt

Output Set: N:\CRF3\01082002\I637086D.raw

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JAN 17 2002

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ENTERED

1 <110> APPLICANT: Fincher, Karen L.
 2 La Rosa, Thomas J.
 3 McCarter, David W.
 4 Pear, Julie R.
 6 <120> TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
 7 Plants
 9 <130> FILE REFERENCE: 38-21(51375)B
 11 <140> CURRENT APPLICATION NUMBER: US 09/637,086D
 12 <141> CURRENT FILING DATE: 2000-08-11
 14 <150> PRIOR APPLICATION NUMBER: US 60/149,881
 16 <151> PRIOR FILING DATE: 1999-08-19
 18 <160> NUMBER OF SEQ ID NOS: 52949
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 226
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Gossypium hirsutum
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 27 <223> OTHER INFORMATION: Clone ID: LIB3083-001-Q1-L1-A10
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 33 atacttcata aaccaactc ctagctacca gtctcagtgc gctctcatgg cagcgtcac 120
 35 atctggagat cagcatacct catcaactac taacgcctaa ctactagacc atacattgag 180
 37 accctgctga ggtagtcacc taaaatagag gcccggtatc tctata 226
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 41 <211> LENGTH: 217
 42 <212> TYPE: DNA
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 45 <220> FEATURE:
 47 <223> OTHER INFORMATION: Clone ID: LIB3083-001-Q1-L1-A11
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 53 taatacatta gcgcaaataa ctccatctcc gaagataaag gtgtacaaca ttacctccat 120
 55 cctcgaagaa cgtggccaat tcaccggcgt catcatgcta tggaaagcca cacaggctgc 180
 57 tgatcaacta atcaaccacc taaactcacc gcaccct 217
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 61 <211> LENGTH: 199
 62 <212> TYPE: DNA
 63 <213> ORGANISM: Gossypium hirsutum
 65 <220> FEATURE:
 67 <223> OTHER INFORMATION: Clone ID: LIB3083-001-Q1-L1-A9
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 73 ctatattcct gcgccccgc ttaacgtggt caacatcact cgcctcctt acaaaagtgg 120
 75 ccaaacacca ctttcatcat gctcttgat gccacacaac tggctgatca actaaacatc 180
 77 tcagcttatc acaccgcta 199
 80 <210> SEQ ID NO: 4
 81 <211> LENGTH: 229

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82 <212> TYPE: DNA
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93 gatctttgat ggtgaggggtg ctccaggagc tcacgattga attgtaacac ggtgttaaatt 120
95 ctagaatcgc agatgtgacg ggggaaattt tacggaaaag aagggtctggg aaaataccac 180
97 gtgtcacaac ttctgtgcta tagaacatct ggaggcacca ctctcagt 229
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113 tagaggcggg gagccaagta ccgacttggt caggttggtc gaaccacaa aggggccgat 120
115 gacaaggcct accgatgcgt gtttgaagaa gaagactaat acggcaaagt tgggatatca 180
117 ttatctaaag atctcatggg tatagctgga gaggtttat aatccaacat taccacaata 240
119 gggcctttgg tgctttcagg gtggggacaa ctccatattt ttctcactct gttcgggcgt 300
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149 <220> FEATURE:
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159 tcaatggcat gccttctaga ttcttcgaaa acttcatcat gcaaggcttc catgttgacc 180
161 aaatcgtaaa gggctcgagtc ctttgcacca tgaaagtccc tcctcgtttg ctgaacgctg 240
163 gtaattttctt gcacgggtgga gctactgcat cactgggtgga ttttggtgga tcagcggtta 300
165 tttacaccta 310
168 <210> SEQ ID NO: 8
169 <211> LENGTH: 286
170 <212> TYPE: DNA

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181 tcgtttctta cccagagctg ttttaatgga ccttgaacca tgaaccatgg atagcttgct 120
183 tactgggtccg tacggacaac tttttagacc tgattactac atttttggtc aaaatggatc 180
185 taggaataac tcgggctaag ggtcattaca ctgaatgagc tccatcgatt gattcggttc 240
187 ttgatgttgt tcttaaagaa actaagaatt gtgattgctt acaaag 286
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195 <220> FEATURE:
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203 tgctgccagt agacaagacg caagggtgct ctccaattga tgcgagatgc tcattgccaa 120
205 ttccaactaa ctacttgatc aattcattcg atactacaca gctt 164
208 <210> SEQ ID NO: 10
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211 <213> ORGANISM: Gossypium hirsutum
213 <220> FEATURE:
215 <223> OTHER INFORMATION: Clone ID: LIB3083-001-Q1-L1-D10
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223 tgaatacgaa gccgaggacg tgggcgctta cgctatgcag atgaatggtg gccatcatac 180
225 tacatataac cgaaccttgc aagccacgat gctcatgcaa gagatgtcta tggaaatccc 240
227 tggcaattca tccatgtttt ctgcagagac acactacaga gcaaggtttt accagggtgt 300
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247 tcaacgccct caatggatgt agaacgattg caaagcatta tgaaaagaac aatcacaaca 180
249 cacaattttt acatgaaaat tcttttgga aaaaactatg gactgatgaa taaaaattca 240
251 ctaaagttga aaaactaatg acacatgagg agtctaggct acatctatct aaagggtgaa 300
253 ataccctggt ctaatcaaag tcatatgata gaagtacttt atggactcaa cttgtgcaat 360
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259 <211> LENGTH: 345
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265 <223> OTHER INFORMATION: Clone ID: LIB3083-001-Q1-L1-D12
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271 acggttccat gtgcattcct ttgcatgac cctcactgtc tcagattcat gcacccatgg 120
273 tgggttttcg gcgctcatgc ggcattgcaga ttaatgtgtt ccaccattgg acatgtcact 180
275 gcaacctaca acccaggagt tggttgctta ggatatgcat ggcataagat ggcgattcca 240
277 gcatattttc aggggtgaac cactattgca cttgcttcaa agcggatgga gtgttcattgt 300
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283 <211> LENGTH: 233
284 <212> TYPE: DNA
285 <213> ORGANISM: Gossypium hirsutum
287 <220> FEATURE:
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297 ttggagaaag gatattgggc tgacgggaat tacatgaact ccttaccat caatggactt 180
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315 cggctacacc aaatagcgat gcacatcact acctgttctc atcatcatgt gtccactcca 120
317 gctatccaag cctttgtttt cgcaccttt catctactc cggcccatcc aacaccctac 180
319 gatagtttag cctatccgcc gttaaagtca tcctgtcccg tgcccgtaa gagtctaact 240
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339 aatacatcat gatgtcctaa acgcctacaa cggatgaaga atcactatgc tggcatttat 120
341 tataagaaaa tattgatcac acagacattt tcatgataat tctcctggga aaaaactgtc 180
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346 <210> SEQ ID NO: 16
347 <211> LENGTH: 393
348 <212> TYPE: DNA
349 <213> ORGANISM: Gossypium hirsutum

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361 taatgcaaaa cattaattaa agatgcatat aataaacaag acataattaa aagctgaaaa    180
363 attaattaaa ctaaacaac aaccacatgc aaaacattgt atggacatgg gatgttattt    240
365 tgggtccaat aagggttgga catctcatgt tcagcccaaa ctgtctgaat taggcccac    300
367 atcgaccctt taaacttctt tgatctagca catgttataa acccgatgag aatttcaatt    360
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387 gttgatttga gactcaagat ctggtaattg actatctgat cgacgagaat attttgagaa    180
389 agagaatcaa tgggtgaagaa aaaggtttgt tgtttatgat attttattac tcctgttatg    240
391 gttgttattt tcttaaagat gtgtcgatat ttttttatgg aggcaatatg tttgcaaatt    300
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411 tcattcatga cattggtgag aagatcgagg aaacaatcgg ctttggcaag cctactgcag    180
413 atgtagctga gattcacctc ccttgatca atcttgagaa agcagaaatt gtcgttgatg    240
415 tcctcataaa gaacccaaac cctgttccaa tccccctcgt cgacattgac tacctcattg    300
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437 tattgccaac tgttacctac cgttgcgtgc cgtataaccag acctgactct aagctgtctt    180
439 cctaattggg ctttccactc                                200
442 <210> SEQ ID NO: 20

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Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

→

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L:1953 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82
L:2523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105
L:3807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156
L:4455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183
L:4731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195
L:4737 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195
L:4785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:197
L:4815 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:198
L:4959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204
L:5055 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:208
L:5109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:210
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L:5541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:228
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L:6007 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:247
L:6289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:259
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L:6321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:260
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L:7225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:299
L:7375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:305
L:7475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:309
L:7727 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:319
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L:8211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:339
L:8395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:346
L:8545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:352
L:8881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:366
L:8931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:368
L:9077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:374
L:9257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:382
L:9327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:385
L:9375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:387
L:9401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:388
L:9425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:389
L:9453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:390
L:9785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:404
L:10481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:434
L:11411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:475
L:11913 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:496
L:12027 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:501
L:12125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:505
L:12251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:510

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